

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-146783

(43)Date of publication of application : 02.06.1999

(51)Int.Cl.

C12N 15/09
C12Q 1/70
// G01N 33/53
G01N 33/531

(21)Application number : 09-315295

(71)Applicant : TOYOBO CO LTD

(22)Date of filing : 17.11.1997

(72)Inventor : SUGIYAMA AKIO
NISHIYA YOSHIAKI
KAWAKAMI FUMIKIYO
KAWAMURA YOSHIHISA

(54) EXTRACTION OF RIBONUCLEIC ACID

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method by which a ribonucleic acid is more readily, rapidly and safely extracted from a sample containing the acid compared to a conventional method.

SOLUTION: A neutral solution containing a chaotropic material, and a solid carrier bondable to a nucleic acid are added to and mixed with a sample containing a ribonucleic acid to allow the acid to be adsorbed on the carrier and, if necessary, the adsorbed carrier is washed with a solution containing the chaotropic material. The carrier with the adsorbed ribonucleic acid is washed with a cleaning liquid comprising water or a low salt-concentration buffer, and at last brought into contact with an eluent comprising water or a low salt-concentration buffer and heated to elute the ribonucleic acid from the carrier to the eluent.